

DRAFT Water Screening Values (ug/L)									
Chemical	Surface Water Recreational Use	Groundwater (MCLs)	Drinking Water (Colo)	Ecological water (Colorado)		Water + Fish	Agriculture (30 day) (Colorado)	Fish ingestion (Colo)	Pre event baseline average
				Acute	Chronic				
Aluminum				750 (tot rec)	87 (tot rec)				
Antimony	1.29E+02 nc	6	6.0 (30 day)			5.6		640	
Arsenic, Inorganic	2.15E+00 ca	10	0.02-10 (30 day)	340	150	0.02	100	7.6	
Barium	3.49E+04 nc	2,000	490 (30 day)						
Beryllium and compounds	1.00E+02 nc	4	4.0 (30 day)				100		
Cadmium (Water)	6.50E+01 nc	5		calculated	calculated		10		4.31
Cadmium (sediment)									
Calcium									
Chromium, Total		100		16 (VI)	11	100 (30 day)	100		
Cobalt	3.13E+03 nc								
Copper	8.58E+03 nc	1,300	1,000 (30 day)	calculated	calculated	1,300	200		73.93
Iron	6.01E+05 nc	300 (2nd)	300 (30 day, diss)		1,000 (tot rec)				7,870
Lead and Compounds		15		calculated	calculated		100		14.71
Magnesium									
Manganese	2.55E+03 nc	50 (2nd)	50 (30 day, diss)	calculated	calculated		200		1952
Mercury		2		1.4					
Molybdenum	4.29E+03 nc								
Nickel Sol Salts	7.87E+03 nc		100 (30 day)	calculated	calculated	610	200	4,600	
Potassium									
Selenium	4.29E+03 nc	50	50 (30 day)	18.4	4.6	170	20	4,200	
Silver	8.37E+02 nc	100 (2nd)		calculated	calculated				
Sodium									
Thallium (Sol Salts)	3.43E+01 nc	2	0.5 (30 day)		15	0.24		0.47	
Vanadium	7.12E+02 nc								
Zinc	2.92E+05 nc	5,000 (2nd)	5,000 (30 day)	calculated	calculated	7,400	2,000	26,000	1,251

Chemical	Ecological sediment (mg/kg)	R8 Recreational sediment (mg/kg)
Aluminum		
Antimony		
Arsenic, Inorganic	33	4.9
Barium		
Beryllium and compounds		
Cadmium (Water)		
Cadmium (sediment)	4.98	0.58
Calcium		
Chromium, Total	111	
Cobalt		
Copper	149	21
Iron		
Lead and Compounds	128	69
Magnesium		
Manganese		
Mercury	1.06	
Molybdenum		
Nickel Sol Salts	48.6	
Potassium		
Selenium		
Silver		
Sodium		
Thallium (Sol Salts)		
Vanadium		
Zinc	459	116

From Barker-Hughesville Carpenter Snow Creek Superfund S

Chemical	R8 Recreational soil
Aluminum	3,300,000
Antimony	
Arsenic, Inorganic	22
Barium	670,000
Beryllium and compounds	6,700
Cadmium (Soil)	1,700
Cadmium (sediment)	
Calcium	
Chromium, Total	4,300,000
Cobalt	1,000
Copper	130,000
Iron	2,300,000
Lead	20,000
Magnesium	
Manganese	160,000
Mercury	1,000
Molybdenum	
Nickel	67,000
Potassium	
Selenium	
Silver	
Sodium	
Thallium	33
Vanadium	17,000
Zinc	1,000,000

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